

UNITED STATES ENVIRONMENTAL I TECTION AGENCY 401 M Street, S.W.

WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington DC 20460. Do not send the form to this address.

DATA MATRIX

Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 1 of 6
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition	44841201	United Phosphorous, Inc. (UPI)	Own	
830.1600	Description of materials used to produce the product	44841201	UPI	Own	
830.1650	Discussion of formulation process	44841201	UPI	Own	
830.1670	Discussion of formation of impurities	44841201	UPI	Own	
830.1750	Certified limits	44841201	UPI	Own	
830.1800	Enforcement analytical method	44841201	UPI	Own	
830.6302	Color	44841201	UPI	Own	-
830.6303	Physical state	44841201	UPI	Own	
830.6315	Flammability	44841201	UPI	Own	
830.6320	Corrosion characteristics	44841201	UPI	Own	
830.7000	pH	44841201	UPI	Own	
830.7100	Viscosity	44841201	UPI	Own	
830.7300	Density	44841201	UPI	Own	
870.1100 (81-1)	Acute oral toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.1200 (81-2)	Acute dermal toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.1300 (81-3)	Acute inhalation toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK,	Pay	

Signature	Name and Title
Elizabeth and Brown	Elizabeth Anne Brown, Chem
The process of the second	Registration Agent

mReg International,

Date 09/24/01



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DATA MATRIX

Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 2 of 6
Applicant's/Registrant's Name and Address;	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	

Ingredient: Permethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400 (81-4)	Eye irritation	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.2500 (81-5)	Dermal irritation	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.2600 (81-6)	Dermal sensitization	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
91 Series	Efficacy – termites, ticks, fleas, flies, spiders, scorpions, cockroaches, fire ants, bees, wasps	CITE ALL	Zeneca Ag Products, FMC, Agrevo	Pay	
GENERIC DATA					
GENERIC DATA					7
71-1(a) :: : **:	Acute avian oral – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-2(a)	Acute avian dietary – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-2(b)	Acute avian dietary – duck	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-4(a)	Avian repro. – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-4(b)	Avian repro. – duck	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-1(a)	Acute Fish toxicity – bluegill	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	71
72-1(b)	Acute Fish toxicity - bluegill	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	The state of the s

Signature	Name and Title	Date
Elizabeth and Brown	Elizabeth Anne Brown, ChemReg International,	09/24/01
Confidence of the Marie Confidence	Registration Agent	
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Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 3 of 6
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1(c)	Acute Fish toxicity – trout	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-1(d)	Acute Fish toxicity – trout	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-2(a)	Acute Invertebrate toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-2(b)	Acute Invertebrate toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(a)	Est/marinetoxicity - fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(b)	Est/marine toxicity – mollusk	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	7 7
72-3(c)	Est/marine toxicity – shrimp	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(e)	Est/marine toxicity – mollusk	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(f)	Est/marine toxicity - shrimp	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-4(b)	Life cycle – invertebrates	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	All the second
72-3(d)	Est/marine toxicity – fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	14 Marie 19 19 19 19 19 19 19 19 19 19 19 19 19
72-5	Fish-life cycle toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-6	Aquatic organism accumulation	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
870.6200 (81-8-SS) (82-7-SS)	Neurotoxicity screening battery	CITE-ALL	FMC, ZENECA	Pay	
870.3150 (82-1)	90-day feeding studies-rodent and nonrodent	CITE-ALL	FMC, ZENECA	Pay	18.00T
870.3200 (82-2)	21-day dermal – rabbit	CITE-ALL	ZENECA	Pay	
870.4100 (83-1)	Chronic toxicity- rodent and nonrodent	CITE-ALL	FMC, ZENECA	Pay	
870.4200 (83-2)	Carcinogenicity testing- rat and mouse	CITE-ALL	FMC, ZENECA	Pay	
870.3700 (83-3)	Teratogenicity- 2 species	CITE-ALL	FMC, ZENECA	Pay	
870.3800 (83-4)	Reproduction- 2 generation	CITE-ALL	FMC, ZENECA	Pay	
870.5265 (84-2(a))	Gene mutation – Ames	CITE-ALL	ZENECA	Pay	
870.5375 (84-2(b))	Structural chromosomal abberation	CITE-ALL	ZENECA	Pay	4500
84-4		CITE-ALL	ZENECA	Pay	
870.72000 (86-1)	Domestic animal safety	CITE-ALL	Data owners not on DSL	Pay	

Signature	Name and Title	Date
Elizabeth Anne Brown	Elizabeth Anne Brown, ChemReg International, Registration Agent	09/24/01
EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.	Agency	Internal Use Cop



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Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 4 of 6
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2100 (132-1(a))	Foliar residue dissipation	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Permethrin Task Force	Pay	
875.2200 (132-1(b))	Soil residue dissipation	CITE-ALL	FMC, ZENECA	Pay	
875.2400 (133-3)	Dermal passive dosimetry	The second second second	UPI is a member of the Ag Reentry TF	Own	
875.2500 (133-4)	Inhalation passive dosimetry		UPI is a member of the Ag Reentry TF	Own	50 78 82 84 64 6
141-1	Honey bee acute contact	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
141-2	Honey bee residue	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
161-1	Hydrolysis	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
161-2	Photodeg - water	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	National Control
161-3	Photodeg – soil	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	C CECHILLE
162-1	Aerobic soil metabolism	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
162-2	Anaerobic soil metabolism	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
162-3	Anaerobic aquatic metabolism	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
162-4	Aerobic aquatic metabolism	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
163-1	Leaching/adsorption/desorption	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	1 12 11 1
164-1	Terrestrial field dissipation	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
164-2	Aquatic field dissipation	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
165-4	Bioaccumulation in fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	The Court of
860.1100 (171-2)	Chemical identity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	30-21-31-6
860.1200 (171-3)	Directions for use	CITE ALL	FMC, ZENECA	Pay	Francis Carrie
860.1300 (171-4(a)0	Nature of the residue-plants	CITE-ALL	FMC, ZENECA	Pay	1 -90 - 10 - 2

Signature	Name and Title	Date
Elizabeth and Brown	Elizabeth Anne Brown, ChemReg International,	09/24/01
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DATA MATRIX

Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 5 of 6
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	
Ingredient: Permethrin	11011011,110 00011		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300 (171-4(b))	Nature of the residue-animals	CITE-ALL	FMC, ZENECA	Pay	
860.1340 (171-4(c,d))	Residue analytical method	CITE-ALL	FMC, ZENECA	Pay	
860.1360 (171-4(m))	Multiresidue method	CITE-ALL	FMC, ZENECA	Pay	
860.1380 (171-4(e))	Storage stability data	CITE-ALL	FMC, ZENECA	Pay	
860.1500 (171-4(k))	Crop field trials	CITE-ALL	FMC, ZENECA	Pay	
860.1520 (171-4(1))	Processed food/feed	CITE-ALL	FMC, ZENECA	Pay	The Laws of the La
860.1480 (171-4(j))	Meat/milk/poultry/eggs	CITE-ALL	FMC, ZENECA	Pay	
860.1460 (171-4(i))	Food handling	CITE-ALL	FMC, ZENECA	Pay	
860.1550 (171-6)	Proposed tolereances	CITE-ALL	FMC, ZENECA	Pay	1 5 2 7 1 3 1 S
860.1560 (171-7)	Reasonable grounds in support of the petition	CITE-ALL	FMC, ZENECA	Pay	
860.1650 (171-13)	Submittal of analytical reference standard	CITE-ALL	FMC, ZENECA	Pay	
860.1850 (165-10	Confined accumulation in rotational crops	CITE-ALL	FMC, ZENECA	Pay	
860.1900 (165-2)	Field Accumulation in rotational crops	CITE-ALL	FMC, ZENECA	Pay	A STATE OF THE STA
840.1100 (201-1)	Spray droplet size spectrum	71 - Tay 13-15 10	UPI is a member of the Spray Drift TF	Own	
840.1200 (202-1)	Spray drift field deposition	1 11 11 11 11	UPI is a member of the Spray Drift TF	Own	3 24
875.1100 (231)	Dermal exposure – outdoor	CITE-ALL	UPI is a member of the Outdoor Residential Exposure TF	Own	
875.1300 (232)	Inhalation exposure – outdoor	CITE-ALL	UPI is a member of the Outdoor Residential Exposure TF	Own	
875.1200 (233)	Dermal exposure –indoor	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Indoor Residential	Pay	

Signature		
Signature Elizabeth	1	. 1
tilganeth	anne	Brown

Name and Title Elizabeth Anne Brown, ChemReg International, Registration Agent

Date 09/24/01



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DATA MATRIX

Date: 9/24/2001		EPA Reg No./ File Symbol 70506-6	Page 6 of 6
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 423 Riverview Plaza Trenton, NJ 08611	Product: Tengard SFR Termiticide/Insecticide	
Ingredient: Permethrin			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1400 (234)	Inhalation exposure - indoor	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Indoor Residential Exposure TF	Pay	
122-1	Terrestrial plant toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
122-2	Aquatic plant toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
Special Studies	Studies to evaluate ecological risk	CITE-ALL	Pyrethroid Working Group	Pay	

Footnotes: Abbreviations used in the "Submitter" column include:

AGREVO = AGREVO ENVIRONMENTAL HEALTH/AVENTIS ENVIR. HEALTH

ARTF= AG RENTRY TASK FORCE (BEVERIDGE & DIAMOND, LLP, Agents)

BONIDE = BONIDE PRODUCTS INC

CLARKE = CLARKE MOSQUITO CONTROL PRODUCTS INC

COOPERS = COOPERS ANIMAL HEALTH INC

ECTO = ECTO DEVELOPMENT CORP

ESTEB = ESTEB SURGICAL SUPPLY CO

FMC = FMC CORP AGRICULTURAL PRODUCTS GROUP

MGK = MCLAUGHLIN GORMLEY KING CO

MILLER = MILLER W C CHEM CO

SANDOZ = SANDOZ AGRO INC

SPAH = SCHERING-PLOUGH ANIMAL HEALTH CORPORATION

VIRBAC = VIRBAC AH, INC.
ZENECA = ZENECA //G PRODUCTS/Syngenta

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Alina	141 11	She
(signi	in ane	Krown

Name and Title

Elizabeth Anne Brown, ChemReg International,

Registration Agent

Date 09/24/01



STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W.

WASHINGTON, D.C. 20460

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DATA MATRIX

Date: 03/09/01	EPA Reg No./ File Symbol 70506-6	Page 1 of 7
Applicant's/Registrant's Name and Address: United Phosphorous, Inc.	Product: Tengard SFR Termiticide/Insecticide	
740 Springdale Dr., Exton, PA 19341	Tengard SFK Termincide/insecticide	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition	44841201	United Phosphorous, Inc. (UPI)	Own	
830.1600	Description of materials used to produce the product	44841201	UPI	Own	
830.1650	Discussion of formulation process	44841201	UPI	Own	
830.1670	Discussion of formation of impurities	44841201	UPI	Own	
830.1750	Certified limits	44841201	UPI	Own	7 7 3 - 3 - 3
830.1800	Enforcement analytical method	44841201	UPI	Own	
830.6302	Color	44841201	UPI	Own	
830.6303	Physical state	44841201	UPI	Own	
830.6315	Flammability	44841201	UPI	Own	TO ROBERT AND A
830.6320	Corrosion characteristics	44841201	UPI	Own	
830.7000	pH	44841201	UPI	Own	2.59 % 77
830.7100	Viscosity	44841201	UPI	Own	A Karata Santa
830.7300	Density	44841201	UPI	Own	Ti Down
870.1100 (81-1)	Acute oral toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	, Ci
870.1200 (81-2)	Acute dermal toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.1300 (81-3)	Acute inhalation toxicity	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	

Signature

Signature Rent & But

Name and Title Robert G. Butz, ChemReg International, Registration Agent



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400 (81-4)	Eye irritation	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870.2500 (81-5)	Dermal irritation	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
870,2600 (81-6)	Dermal sensitization	CITE-ALL	AGREVO, BONIDE, CLARKE, COOPERS, ECTO, ESTEB, FMC, MGK, MILLER, SPAH, VIRBAC, ZENECA	Pay	
91 Series	Efficacy – termites, ticks, fleas, flies, spiders, scorpions, cockroaches, fire ants, bees, wasps	CITE ALL	Zeneca Ag Products, FMC, Agrevo	Pay	
GENERIC DATA					
71-1(a)	Acute avian oral – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-2(a)	Acute avian dietary – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-2(b)	Acute avian dietary – duck	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-4(a)	Avian repro. – quail	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
71-4(b)	Avian repro. – duck	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-1(a)*.	Acute Fish toxicity - bluegill	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-1(6):	Acute Fish toxicity – bluegill	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	

Signature	Name and Title	Date
To A & But	Robert G. Butz, ChemReg International,	03/09/01
Eller Jo 201	Registration Agent	
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Date: 03/09/01	EPA Reg No./ File Symbol 70506-6	Page 3 of 7
Applicant's/Registrant's Name and Address: United Phosphorous, Inc. 740 Springdala Dr. France DA 19341	Product: Tengard SFR Termiticide/Insecticide	
740 Springdale Dr., Exton, PA 19341 Ingredient: Permethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
72-1(c)	Acute Fish toxicity - trout	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-1(d)	Acute Fish toxicity – trout	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-2(a)	Acute Invertebrate toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-2(b)	Acute Invertebrate toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(a)	Est/marinetoxicity - fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	200000000000000000000000000000000000000
72-3(b)	Est/marine toxicity – mollusk	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(c)	Est/marine toxicity – shrimp	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	12.75
72-3(e)	Est/marine toxicity - mollusk	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-3(f)	Est/marine toxicity - shrimp	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-4(b)	Life cycle – invertebrates	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	THE WATER
72-3(d)	Est/marine toxicity – fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
72-5	Fish-life cycle toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	F 40 5 6 6 6 6
72-6	Aquatic organism accumulation	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
870.6200 (81-8-SS) (82-7-SS)	Neurotoxicity screening battery	CITE-ALL	FMC, ZENECA	Pay	The second
870.3150 (82-1)	90-day feeding studies-rodent and nonrodent	CITE-ALL	FMC, ZENECA	Pay	A MATERIAL STATE
870.3200 (82-2)	21-day dermal – rabbit	CITE-ALL	ZENECA	Pay	All all and a
870.4100 (83-1)	Chronic toxicity- rodent and nonrodent	CITE-ALL	FMC, ZENECA	Pay	TA PARTY
870.4200 (83-2)	Carcinogenicity testing- rat and mouse	CITE-ALL	FMC, ZENECA	Pay	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
870.3700 (83-3)	Teratogenicity- 2 species	CITE-ALL	FMC, ZENECA	Pay	
870.3800 (83-4)	Reproduction- 2 generation	CITE-ALL	FMC, ZENECA	Pay	
870.5265 (84-2(a))	Gene mutation – Ames	CITE-ALL	ZENECA	Pay	MELLEN
870,5375 (84-2(b))	Structural chromosomal abberation	CITE-ALL	ZENECA	Pay	
84.4 : : : : : : : : : : : : : : : : : :	Other genotoxic effects	CITE-ALL	ZENECA	Pay	
870.72000 (86-1)	Domestic animal safety	CITE-ALL	Data owners not on DSL	Pay	

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Robert S. But

Name and Title Robert G. Butz, ChemReg International, Registration Agent Date 03/09/01

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DATA MATRIX

EPA Reg No./ File Symbol 70506-6	Page 4 of 7
Product: Tengard SFR Termiticide/Insecticide	
	Product:

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.2100 (132-1(a))	Foliar residue dissipation	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Permethrin Task Force	Pay	
875.2200 (132-1(b))	Soil residue dissipation	CITE-ALL	FMC, ZENECA	Pay	
875.2400 (133-3)	Dermal passive dosimetry		UPI is a member of the Ag Reentry TF	Own	
875.2500 (133-4)	Inhalation passive dosimetry		UPI is a member of the Ag Reentry TF	Own	E TESTING NEWS
141-1	Honey bee acute contact	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	The state of the s
141-2	Honey bee residue	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
161-1	Hydrolysis	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
161-2	Photodeg - water	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
161-3	Photodeg – soil	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	A SECTION OF
162-1	Aerobic soil metabolism	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	S CAR SALES
162-2	Anaerobic soil metabolism	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
162-3	Anaerobic aquatic metabolism	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
162-4	Aerobic aquatic metabolism	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
163-1	Leaching/adsorption/desorption	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	A THE COLUMN TWO IS NOT THE PARTY.
164-1	Terrestrial field dissipation	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	THE REPORT OF
164-2	Aquatic field dissipation	CITE-ALL	PERMETHRIN JOINT DATA DEVELOPMENT PROGRAM	Pay	
165-4	Bioaccumulation in fish	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
860.1100 (171-2)	Chemical identity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	E MALE TO LEGE
860.1200 (171-3)	Directions for use	CITE ALL	FMC, ZENECA	Pay	
860.1300 (171-4(a)0	Nature of the residue-plants	CITE-ALL	FMC, ZENECA	Pay	

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Name and Title Robert G. Butz, ChemReg International, Registration Agent



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DATA MATRIX					
Date: 03/09/01	EPA Reg No./ File Symbol 70506-6	Page 5 of 7			
Applicant's/Registrant's Name and Address:	Product:				
United Phosphorous, Inc. 740 Springdale Dr., Exton, PA 19341	Tengard SFR Termiticide/Insecticide				
Ingredient: Permethrin	Control of the second s				

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300 (171-4(b))	Nature of the residue-animals	CITE-ALL	FMC, ZENECA	Pay	
860.1340 (171-4(c,d))	Residue analytical method	CITE-ALL	FMC, ZENECA	Pay	
860.1360 (171-4(m))	Multiresidue method	CITE-ALL	FMC, ZENECA	Pay	
860.1380 (171-4(e))	Storage stability data	CITE-ALL	FMC, ZENECA	Pay	2 27 27 2 2 2
860.1500 (171-4(k))	Crop field trials	CITE-ALL	FMC, ZENECA	Pay	III Day of the last
860.1520 (171-4(1))	Processed food/feed	CITE-ALL	FMC, ZENECA	Pay	
860.1480 (171-4(j))	Meat/milk/poultry/eggs	CITE-ALL	FMC, ZENECA	Pay	
860.1460 (171-4(i))	Food handling	CITE-ALL	FMC, ZENECA	Pay	
860.1550 (171-6)	Proposed tolereances	CITE-ALL	FMC, ZENECA	Pay	
860.1560 (171-7)	Reasonable grounds in support of the petition	CITE-ALL	FMC, ZENECA	Pay	A CONTRACTOR
860.1650 (171-13)	Submittal of analytical reference standard	CITE-ALL	FMC, ZENECA	Pay	W 10 10 10 10 10 10 10 10 10 10 10 10 10
860.1850 (165-10	Confined accumulation in rotational crops	CITE-ALL	FMC, ZENECA	Pay	
860.1900 (165-2)	Field Accumulation in rotational crops	CITE-ALL	FMC, ZENECA	Pay	
840.1100 (201-1)	Spray droplet size spectrum		UPI is a member of the Spray Drift TF	Own	THE WAY IN THE
840.1200 (202-1)	Spray drift field deposition		UPI is a member of the Spray Drift TF	Own	
875.1100 (231)	Dermal exposure – outdoor	CITE-ALL	UPI is a member of the Outdoor Residential Exposure TF	Own	
875.1300 (232)	Inhalation exposure – outdoor	CITE-ALL	UPI is a member of the Outdoor Residential Exposure TF	Own	
875.1200 (235)	Dermal exposure –indoor	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Indoor Residential Exposure TF	Pay	

Signature

Rent S. But

Name and Title Robert G. Butz, ChemReg International, Registration Agent



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DATA MATRIX

Date: 03/09/01	EPA Reg No./ File Symbol 70506-6	Page 6 of 7
Applicant's/Registrant's Name and Address:	Product;	
United Phosphorous, Inc.	Tengard SFR Termiticide/Insecticide	
740 Springdale Dr., Exton, PA 19341		
Ingredient: Permethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1400 (234)	Inhalation exposure - indoor	CITE-ALL	Data owners not on DSL, offer to pay will be made to the Indoor Residential Exposure TF	Pay	
122-1	Terrestrial plant toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
122-2	Aquatic plant toxicity	CITE-ALL	FMC, MILLER, SPAH, ZENECA	Pay	
Special Studies	Studies to evaluate ecological risk	CITE-ALL	Pyrethroid Working Group	*	9

Footnotes:

* United Phosphorous Inc. is joining the Pyrethroid Working Group

Abbreviations used in the "Submitter" column include:

AGREVO = AGREVO ENVIRONMENTAL HEALTH/AVENTIS ENVIR. HEALTH

ARTF= AG RENTRY TASK FORCE (BEVERIDGE & DIAMOND, LLP, Agents)

BONIDE = BONIDE PRODUCTS INC

CLARKE = CLARKE MOSQUITO CONTROL PRODUCTS INC

COOPERS = COOPERS ANIMAL HEALTH INC

ECTO = ECTO DEVELOPMENT CORP

ESTEB = ESTEB SURGICAL SUPPLY CO

FMC = FMC CORR AGRICULTURAL PRODUCTS GROUP

MGK = MCLAUGHLIN GORMLEY KING CO

MILLER = MILLER W C CHEM CO

SANDOZ = SANDOZ AGRO INC

SPAH = SCHERING PLOUGH ANIMAL HEALTH CORPORATION

VIRBAC = VIRBAC AH, INC.

Signature

Tolent S. But

Name and Title

Robert G. Butz, ChemReg International,

Registration Agent



Ingredient: Permethrin

UNION STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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	DATAMATRIA				
Date: 03/09/01	EPA Reg No./ File Symbol 70506-6	Page 7 of 7			
Applicant's/Registrant's Name and Address:	Product:				
United Phosphorous, Inc.	Tengard SFR Termiticide/Insecticide				
740 Springdale Dr., Exton, PA 19341	이 경영 가는 사람이 아니다. 그는 경영화를 하고 있다면 가게 되었다. 그 이 사람이				

ZENECA = ZENECA AG PRODUCTS/Syngenta

Signature

Robert S. But

Name and Title

Robert G. Butz, ChemReg International, Registration Agent





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	D/	ATA MATRIX			
Date 5/27/99 Applicant's/Registrant's Name & Address United Phosphorous, Inc. 740 Springdale Dr., Exton, PA 19341		EPA Reg No./File Symbol 70506- A		Page 1 of 3	
		Product Tengard SFR Termiticide/Insecticide			
Ingredient Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition		UPI	own	
830.1600	Description of materials used to produce the product		UPI	own	
830.1650	Description of formulation process		UPI	own	1
830.1670	Discussion of formation of impurities		UPI	own	
830.1750	Certified limits		UPI	own	
830.1800	Enforcement analytical method		UPI	own	
830.6303	Physical state		UPI	own	
830.6315	Flammability		UPI	own	
830.6319	Miscibility		UPI	own	
				1.5	
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Signature £1.2	Litt for		Name and Title Koshy Ittyeipe, President		Date 5/27/89

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		DATA MATRIX			
Date 5/27/99			EPA Reg No./File Symbol 70506-A		Page 2 of 3
Applicant's/Registrant's Name & Address United Phosphorous, Inc. 740 Springdale Dr., Exton, PA 19341		Product Tengard SFR Termiticide/Insec			
Ingredient Permethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion characteristics		UPI	own	
330.7000	pH		UPI	own	
830.7100	Viscosity		UPI	own	
830.7300	Density		UPI	own	
91 series	Efficacy	40200901	FMC	pay	
		42941901	FMC	pay	The state of
		149133	FMC	old	
		42941901	FMC	pay	
	:				
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Signature £ L T	Sitt or		Name and Title Koshy Ittyeipe, President		Date 5/27/9





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		DATA MATRIX				
Date 5/27/99			EPA Reg No./File Symbol 705	Page 3 of 3		
Applicant's/Registrant's Name & Address United Phosphorous, Inc. 740 Springdale Dr., Exton, PA 19341			Product Tengard SFR Termiticide/Insecticide			
ngredient Permethrin						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
31-2	Dermal toxicity	41192103	FMC	pay		
31-3	Inhalation toxicity	40281501	FMC	pay		
		41192105	FMC	pay		
81-4	Eye irritation	40378502	FMC	pay		
		44133301	FMC	pay		
31-5	Dermal irritation	41192101	FMC	pay		
		43602501	FMC	pay		
		44133302	FMC	pay		
31-6	Dermal sensitization	40281502	FMC	pay		
		41192102	FMC	pay	19 000 2	
31-1	Oral toxicity	41192104	FMC	pay		
	Air monitoring study	40198401	FMC	pay		
	Air monitoring study - follow-up	40266401	FMC	pay		
	.: . : : :		A STATE OF THE STA			
Signature £11.	Set of		Name and Title Koshy Ittyeipe, President		Date 5/27/99	

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DATA MATRIX ADDRESSING PRODUCT-SPECIFIC REQUIREMENTS OF DATA CALL-IN FOR PRODUCTS CONTAINING PERMETHRIN

Date: Feb. 12, 2010		EPA Reg No./ File Symbol: 70506-6	Page 1 of 2
Applicant's/Registrant's Name and Address:	United Phosphorus, Inc. 630 Freedom Business Center King of Prussia, PA 19406	Product: Tengard SFR One-Shot Insecticide	

Guideline Study Name MRID Number Submitter Status Note ideline Reference Number PRODUCT SPECIFIC 830.1550, 830.1600, 830.1650, Product identity, composition/Description of 44841301 UPI Own materials Used to Produce the 830.1670 Product/Description of Formulation Process/Discussion of Formation of Impurities 830.1750 Certification of Limits 44841301 UPI Own 830.1800 44841201 UPI Analytical Method Own 830.6303 Physical state 44841301 UPI Own 830.6314 Oxidizing/Reducing action Not Product does not contain oxidizing or reducing agents. required Flammability Not Product does not contain 830.6315 required combustible liquids 830.6316 Explodability Not Product does not contain explosive required ingredients 830.6317 Storage Stability UPI Own Submitting with this package Miscibility Product is a solid and diluted with 6319 Not required petroleum solvents. 830.6320 Corrosion Characteristics UPI Submitting with this package Own 830.6321 Dielectric Breakdown Voltage Product is not used around Not electrical equipment. required 830.7000 pH 44841301 UPI Own 830.7100 Viscosity 44841301 UPI Own 830.7300 Density, bulk density, specific gravity 44841301 UPI Own 870.1100 Acute oral toxicity 47793501 **FMC** Own 870.1200 Acute dermal toxicity - rat 47793502 **FMC** Own

Signature R.a.	Clemmer
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Name and Title Rebecca A. Clemmer, Regulatory Manager

Date 2/12/10



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W.

WASHINGTON, D.C. 20460

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DATA MATRIX ADDRESSING PRODUCT-SPECIFIC REQUIREMENTS OF DATA CALL-IN FOR PRODUCTS CONTAINING PERMETHRIN

Date: Feb. 12, 2010

Applicant's/Registrant's Name and Address:

United Phosphorus, Inc.
630 Freedom Business Center
King of Prussia, PA 19406

EPA Reg No./ File Symbol: 70506-6

Product: Tengard SFR One-Shot Insecticide

Ingredient: Permethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC					
830.1550, 830.1600, 830.1650, 830.1670	Product identity, composition/Description of materials Used to Produce the Product/Description of Formulation Process/Discussion of Formation of Impurities	44841301	UPI	Own	
830.1750	Certification of Limits	44841301	UPI	Own	
830.1800	Analytical Method	44841201	UPI	Own	
830.6303	Physical state	44841301	UPI	Own	
830.6314	Oxidizing/Reducing action			Not required	Product does not contain oxidizing or reducing agents.
830.6315	Flammability			Not required	Product does not contain combustible liquids
830.6316	Explodability			Not required	Product does not contain explosive ingredients
30.6317	Storage Stability		UPI	Own	Submitting with this package
830.6319	Miscibility			Not required	Product is a solid and diluted with petroleum solvents.
830.6320	Corrosion Characteristics	***	UPI	Own	Submitting with this package
830.6321	Dielectric Breakdown Voltage			Not required	Product is not used around electrical equipment.
830.7000	pH	44841301	UPI	Own	
830.7100	Viscosity	44841301	UPI	Own	
830.7300	Density, bulk density, specific gravity	•44841301	UPI	Own	
870.1100	Acute oral toxicity	47793501	FMC	Own	THE RESERVE OF THE PROPERTY OF
870.1200	Acute dermal toxicity – rat	47793502	FMC	Own	

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Signature	U	lle	mer

Name and Title

Date 2/12/10

Rebecca A. Clemmer, Regulatory Manager



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DATA MATRIX

Date	EPA Reg No./ File Symbol	Page 1 of 3
March 13, 2008	70506-6	
Applicant's/Registrant's Name and Address:	Product:	
United Phosphorus, Inc.	Tengard SFR One Shot	
630 Freedom Business Center, Suite 402		
King of Prussia, PA 19406		
Ingredient: permethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1 (830.1550)	Chemical identity	44841301	United Phosphorus, Inc.	own	
830.1600	Descr. of materials used to produce the product	44841301	United Phosphorus, Inc.	own	
830.1650	Description of formulation process	44841301	United Phosphorus, Inc.	own	
62-2 (830.1750)	Certification of limits	44841301	United Phosphorus, Inc.	own	
63-3 (830.6303)	Physical state	44841301	United Phosphorus, Inc.	own	
830.6315	Flammability	44841301	United Phosphorus, Inc.	own	
63-12 (830.7000)	pH	44841301	United Phosphorus, Inc.	own	
830.7100	Viscosity	44841301	United Phosphorus, Inc.	own	15. 193
63-7 (830.7300)	Density/relative density/bulk density	44841301	United Phosphorus, Inc.	own	
GENERIC DATA REQUIREMENTS			Bonide Products; Coopers Animal Health; Syngenta Crop Protection, Delta Analytical Corp.; The Ortho Business Group; Farnam Companies; FMC Corp; Nott Products Co; Chemtura Corp.; Bayer Env. Science; Realex; Chase Products Co.; Whitmire Micro-Gen; Univar USA; Prentiss Inc; Value Gardens Supply; Schering-Plough; Southern Ag. Insecticides; Green Light Company; McLaughlin Gormely King; IBC Manufacturing; Fuller System; W.F. Young; PBI/Gordon; Virbac AH; Regguide; Hartz Mountain; Happy Jack; Miller W.C.; Lynwood Labs; ABC Coumpounding; Boehringer Ingelheim Vetmedica; Pet Chemicals; S.C. Johnson; Amvac Chemical;	pay	

	Name and Title Rebecca A. Clemmer/Regulatory Manager	Date 3/13/08
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Date March 13, 2008 Applicant's/Registrant's Name and Address: United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 Ingredient: permethrin

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Summit Chemical; Cessco; IQ Products; Voluntary Purchasing Groups; Clarke Mosquito Control; United Industries; Safeguard Chemical; H.R. McLane; Chemsisco; Fiebing Company; Sungro Chemicals; Bayer Healthcare; Western Farm Service; Speer Products; Gil Mfg; Brazos Associates; Sandoz Agro; Phaeton Corp.; Landis International; Aerochem; Y-Tex; Drummond American; Enforcer Products; Safer; Quest Chemical; Insecta Marketing; Burlington Scientific; Regwest Company; Steven E. Rogosheske; Hilton Head Laboratories; Scientific Coordination; BASF Sparks; LHB Industries; Lewis & Harrison; Control Solutions; Rusty Millar; CRC Industries; Valent USA; Lineguard; Management Contract Services; Arysta Lifescience; Ecto Development; Sherwin- Williams; Bengal Products; Gharda USA; Premium Environmental Products; Biologic; Riap Chemical; Bayer Advanced; Plexus Services; Star Horse Products; Valent Biosciences; Sapstain Industry Group; Registrations by Desighn; A.N.T.S. Research & Development; IDC Company; Pro Products; Travel Medicine; Osmose New Zealand; The		

Signature CO	Name and Title	Date
t. C. Clemmer	Rebecca A. Clemmer/Regulatory Manager	3/13/08



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W.

WASHINGTON, D.C. 20460

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Date	EPA Reg No./ File Symbol	Page 3 of 3
March 13, 2008	70506-6	
Applicant's/Registrant's Name and Address:	Product:	
United Phosphorus, Inc.	Tengard SFR One Shot	
630 Freedom Business Center, Suite 402		
King of Prussia, PA 19406		
Ingredient: permethrin		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Bug Stomper of LA; Product & Regulatory Associates; Bio-Planet Products; Buzz-Off Insect Shield; Residential Exposure JV; Regguide; Arch Wood Protection; SCIREG; Ag. Handlers Exposure TF; Nova Biogenetics; Technology Sciences Group; Gro-Pro LLC; Starensier; Health & Environmental Horizons; Traveler's Supply; Eastern Chemical; Product & Regulatory Associates; Summit Agro USA; Summit Vetpharm; International Textile Group; Heather R. Bjornson		

Signature	Name and Title	Date
Kli llemmer	Rebecca A. Clemmer/Regulatory Manager	3/13/08